

Title (en)

DISTORTION EVALUATING APPARATUS AND DISTORTION EVALUATING METHOD

Title (de)

VORRICHTUNG UND VERFAHREN ZUR VERZERRUNGSEVALUIERUNG

Title (fr)

APPAREIL D'ÉVALUATION DE DISTORSION ET PROCÉDÉ D'ÉVALUATION DE DISTORSION

Publication

EP 1921417 A4 20111019 (EN)

Application

EP 06768084 A 20060711

Priority

- JP 2006313771 W 20060711
- JP 2005249129 A 20050830

Abstract (en)

[origin: EP1921417A1] A distortion evaluating apparatus which can quantitatively evaluate distortion in a measurement object surface is provided. A distortion evaluating apparatus 40 evaluates distortion based on three-dimensional measurement data obtained from a measurement object surface. The apparatus includes a secondary differential means 41 for effecting a secondary differential operation on two-dimensional measurement data of a cross section of the measurement object surface indicative of unevenness therein, thus obtaining curvature data of the cross section, a permissible range setting means 43 for setting a permissible range for the curvature data, based on range of an upper limit value and a lower limit value from a reference value, and a distortion data extracting means 42 for extracting a portion of the curvature data exceeding the set permissible range as distortion data indicative of the distortion in the cross section.

IPC 8 full level

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G01N 21/9515 (2013.01 - EP KR US); **G06T 7/0006** (2013.01 - EP KR US); **G06T 2200/04** (2013.01 - EP KR US)

Citation (search report)

- [X1] JP H08159740 A 19960621 - HONDA MOTOR CO LTD
- [X1] US 5844801 A 19981201 - KODAMA AKIRA [JP], et al
- [X1] JP H08254412 A 19961001 - HONDA MOTOR CO LTD
- [A] US 6542249 B1 20030401 - KOFMAN JONATHAN D [CA], et al
- See references of WO 2007026467A1

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US8718975B2

Designated contracting state (EPC)

DE FR

DOCDB simple family (publication)

EP 1921417 A1 20080514; **EP 1921417 A4 20111019**; CN 101253385 A 20080827; JP 2007064728 A 20070315; JP 4282643 B2 20090624;
KR 100987687 B1 20101013; KR 20080035012 A 20080422; US 2009171622 A1 20090702; US 7962303 B2 20110614;
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